

Training and Evaluation Outline Report

Status: Approved

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Task Number: 05-PLT-1028

Task Title: Conduct Rafting Operations

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD3 - This training product has been reviewed by the developers in coordination with the MSCoE foreign disclosure officer. This training product cannot be used to instruct international military students.

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 3-90.4	Combined Arms Mobility	Yes	No
	ATP 5-19 (Change 001 09/08/2014 78 Pages)	RISK MANAGEMENT http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp5_19.pdf	Yes	No
	TC 5-210	Military Float Bridging Equipment.	Yes	No
	TM 3-34.85	ENGINEER FIELD DATA {MCRP 3-17A} https://armypubs.us.army.mil/doctrine/DR_pubs/dr_b/pdf/tm3_34x85.pdf	Yes	No
	TM 5-1940-277-10	Operator's Manual for Boat, Bridge Erection, Twin Jet, Aluminum Hull, Models USCSBMK-1 (NSN 1940-01-105-5728) and USCSBMK-2 (1940-01-218-9165). TM 1940-10/1.	Yes	No
	TM 5-5420-278-10	OPERATOR'S MANUAL FOR IMPROVED RIBBON BRIDGE (IRB), RAMP BAY M16 (NSN 5420-01-470-5825), P/N 12478918 (EIC: XMT), INTERIOR BAY M17 (NSN 5420-01-470-5824) P/N 12478919 (EIC: XMS)D ON	Yes	Yes

Conditions: The element is directed to conduct rafting operations to move vehicles and equipment across a river. The rafts are constructed and inspected. The site is prepared. The river current's velocity does not exceed the limitations of the equipment being used. Vehicle operators are briefed at the Engineer Regulating Point (ERP). Internal communications are established. The tactical situation requires the crossing to be conducted under the cover of darkness.

Note: The Commander must still determine at what level of training they would want the element to perform. Crawl, walk or run. This can only be determined after consideration as to the units training level.

The Commander prior to evaluating an element in the conduct of the task must determine if it will be conducted in a Live, Virtual, or Constructive environment, additionally it must also be determined which condition as described below that the element will conduct the task. The selection made for this task is at a trained level of proficiency. The commander must determine which of the environments below will best suit the unit and the proficiency level at which the unit is. When conducting crawl or walk level training units should not increase the intensity until the unit has achieved the standards and then unit trainers should include variables that increase proficiency in all conditions.

Note: The condition statement for this task is written assuming the highest training conditions reflected on the Task Proficiency matrix required for the evaluated unit to receive a "fully trained" (T) rating.

Note: Condition terms definitions:

Dynamic Operational Environment: Three or more operational and two or more mission variables change during the execution of the assessed task. Operational variables and threat Tactics, Techniques, and Procedures (TTPs) for assigned counter-tasks change in response to the execution of Blue Forces (BLUFOR) tasks.

Complex Operational Environment: Changes to four or more operational variables impact the chosen friendly COA/mission. Brigade and higher units require all eight operational variables of Political, Military, Economic, Social, Infrastructure, Information, Physical environment, and Time (PMESII-PT) to be replicated in varying degrees based on the task being trained.

Single threat: Regular, irregular, criminal or terrorist forces are present.

Hybrid threat: Diverse and dynamic combination of regular forces, irregular forces, and/or criminal elements all unified to achieve mutually benefiting effects.

Some iterations of this task should be performed in MOPP 4.

Standards: Conduct rafting operations to transport vehicles and equipment across the river within the sequence and the time outlined in the rafting schedule. The time required to perform this task is increased when conducting it in Mission Oriented Protection Posture (MOPP) 4.

Note: Leaders are defined as the Commander, Executive Officer, First Sergeant, Operations Sergeant, Platoon Leaders, Platoon Sergeants, Squad Leaders, and Team Leaders.

Live Fire Required: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare			Execute						Assess		
Operational Environment			Training Environment (LVC)	Training/Authorized % of Leaders Present at	% of Soldiers Present at	External Eval	% Performance Measures 'Go'	% Critical Performance Measures 'Go'	% Leader Performance Measures 'Go'	Task Assessment	
SQD & PLT											
Dynamic (Single Threat)	Night	IAW unit CATS statement.		>=85%	>=80%	Yes	>=91%	All	>=90%	T	
	Day			75-84%			80-90%		80-89%	T-	
Static (Single Threat)	Night			65-74%	75-79%	No	65-79%	<All		<=79%	P
	Day			60-64%	60-74%		51-64%		P-		
					<=59%		<=59%		<=50%		U

Remarks: None

Notes: All water safety procedures outlined in Training Circular (TC) 5-210 are adhered to at all times.

Safety Risk: High

Task Statements

Cue: None

DANGER

Leaders have an inherent responsibility to conduct Risk Management to ensure the safety of all Soldiers and promote mission accomplishment.

WARNING

Risk management is the Army's primary decision-making process to identify hazards, reduce risk, and prevent both accidental and tactical loss. All Soldiers have the responsibility to learn and understand the risks associated with this task.

CAUTION

Identifying hazards and controlling risks across the full spectrum of Army functions, operations and activities is the responsibility of all Soldiers.

Performance Steps and Measures

NOTE: Assess task proficiency using the task evaluation criteria matrix.

NOTE: Asterisks (*) indicate leader steps; plus signs (+) indicate critical steps.

STEP/MEASURE	GO	NO-GO	N/A
+ 1. The raft commander assumes overall responsibility for the raft and prepares to cross vehicles.			
+ 2. The element leader/safety officer gives a safety briefing and enforces water safety procedures.			
+ 3. The element leader controls the movement of vehicles from the ERP to the raft site.			
+ 4. The raft commander directs the loading of vehicles and equipment onto the raft.			
+ 5. The raft crew chocks the front and rear of all vehicles with sandbags or chock blocks.			
+ 6. Boat operators take positions in their boats and await commands from the raft commander.			
+ 7. The raft commander moves the loaded raft to the far shore.			
+ 8. The raft commander directs the vehicles off the raft.			
+ 9. The raft commander immediately reports any change in the status or capabilities of the raft to higher headquarters (HQ).			
+ 10. The element leader records the type and amount of vehicles that are at the crossing.			
+ 11. Boat operators and assistants control the movement of bays/rafts as directed by the section sergeant.			

TASK PERFORMANCE / EVALUATION SUMMARY BLOCK

ITERATION	1	2	3	4	5	M	TOTAL
TOTAL PERFORMANCE MEASURES EVALUATED							
TOTAL PERFORMANCE MEASURES GO							
TRAINING STATUS GO/NO-GO							

ITERATION: 1 2 3 4 5 M

COMMANDER/LEADER ASSESSMENT: T P U

Mission(s) supported: None

MOPP 4: Sometimes

MOPP 4 Statement: None

NVG: Never

NVG Statement: None

Prerequisite Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	05-PLT-1027	Construct a Ribbon Raft	05 - Engineers (Collective)	Approved

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	05-CO-0018	Conduct Report Procedures	05 - Engineers (Collective)	Approved
	05-PLT-0045	Conduct Water Safety Operations	05 - Engineers (Collective)	Approved

OPFOR Task(s):

Task Number	Title	Status
71-2-9005	OPFOR Reconnaissance (Company and below)	Approved
71-2-9010	OPFOR Disrupt (Company and below)	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	052-198-3082	Direct Rafting Operations as Raft Commander	052 - Engineer (Individual)	Approved
	052-238-1532	Perform a River Reconnaissance	052 - Engineer (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 1.6.1.3	Conduct Gap Crossing Operations

TADSS

TADSS ID	Title	Product Type	Quantity
GTA 43-01-077	Ribbon Bridge Bays Hot Weather/Desert Operations	GTA	1
GTA 43-01-047	Bridge Erection Boat Hot Weather/Desert Operations	GTA	1

Equipment (LIN)

LIN	Nomenclature	Qty
C34199	CRADLE BOAT BRDG ERCT	1
R68146	Radio Set: AN/VRC-91F(C)	1
D17191	Instrument Set Reconnaissance and Surveying: AN/TKQ-5	1
R68044	Radio Set: AN/VRC-90F(C)	1
A79381	Antenna Group: OE-254()/GRC	1
Z01320	Radio Set: Hand Held Radio	1
E05008	Encryption-Decryption Equipment: KGV-72	1
T91308	Transporter Common Bridge: M1977	1
K97376	BRIDGE FLOATING	1
R10527	RAMP BAY BRIDGE FLOAT	1
B25476	Boat Bridge Erection Inboard Engine: Shallow Draft	1
C05036	Computer Set Digital (JBC-P): AN/UYK-128B(V)3	1
C05002	Computer System Digital: AN/PYQ-10(C)	1
R87139	Radio Set: ANVRC-104(V)3 150 Watt wPRC-150 HF Radio	1
C27503	Computer System: Digital AN/TYQ-105(V)1	1
C27707	Computer System: Digital AN/TYQ-109(V)1	1
R45543	Radio Set: AN/VRC-92F(C)	1

Material Items (NSN)

NSN	LIN	Title	Qty
4220-00-555-9006		Life Preserver, Vest, Adult, 24 Inches High, Olive Drab	1

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card. .

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. .